wherein:

 R_f is a perfluoroalkyl group or a perfluoroheteroalkyl group; Z is a connecting group selected from a covalent bond, a sulfonamido group, a carboxamido group, a carboxyl group, or a sulfonyl group; and R^2 is a divalent straight or branched chain alkylene, cycloalkylene, or heteroalkylene group of 1 to 14 carbon atoms; and X is $-NH_2$; -SH; -OH; -N=C=O; or -NRH where R is selected from the group consisting of phenyl, straight and branched aliphatic, alicyclic, and aliphatic ester groups; R^1 is an alkylene, heteroalkylene, aralkylene, or heteroaralkylene group.

10

5

- 4. The chemical composition of claim 3 wherein R_f is a perfluoroalkyl group of 2 to 12 carbons.
- The chemical composition of claim 3 wherein R_f is a perfluoroalkyl group of 3 to 5 carbons.
 - 6. The composition of claim 1 wherein said first component polyoxyalkylene compounds are homo-and copolymers of polyoxyethylene and polyoxypropylene.

20

- 7. The composition of claim 1 wherein said second auxiliary component is the reaction product of a polyisocyanate, a blocking agent and a polyoxyalkylene compound.
- 8. The composition of claim 7 wherein said isocyanate groups of said second component polyisocyanate are blocked isocyanate groups.
 - 9. The composition of claim 8 wherein said blocked isocyanate groups are prepared by a thermally reversible reaction with phenols, lactams, and oximes.
- 30 10. The composition of claim 7 wherein said polyoxyalkylene compounds of said second component are homo- and copolymers of polyoxyethylene, polyoxypropylene, polyoxytetramethylene.

5

15

30

- 11. The composition of claim 1 wherein the amount of said hydrophilic polyoxyalkylene compounds of said first component is sufficient to react with between 0.1 and 30 % of available isocyanate groups, the amount of said silane compounds is sufficient to react with between 0.1 and 25 % of available isocyanate groups, and the amount of said fluorochemical monofunctional compounds is sufficient to react with between 60 and 90 % of available isocyanate groups of said urethane compounds.
- 12. The composition of claim 1 wherein the amount of said polyoxyalkylene compound of said second component is such that from about 25 to about 75 % of the available isocyanate groups of said auxiliary compound are reacted.
 - 13. The composition of claim 12 wherein the unreacted isocyanate groups are blocked isocyanate groups.
 - 14. The composition of claim 1 wherein the ratio of said first component urethane compound to said second auxiliary compound is from 12:1 to 1:12.
- The composition of claim 1 wherein the ratio of said first component urethane compound to said second auxiliary compound is from 3:1 to 6:1.
 - 16. The composition of claim 1 wherein said polyoxyalkylene compound of said first component has a functionality of greater than 1.
- 25 17. The composition of claim 7 wherein said polyoxyalkylene compound of said second component has a functionality of one.
 - 18. A treatment composition comprising a solution of the chemical composition of claim 1 and a solvent.
 - 19. The treatment composition of claim 18 wherein the solvent is selected from the group consisting of water, an organic solvent, and mixtures thereof.

15

20

25

134

- 20. The treatment composition of claim 18 comprising from about 0.1 to about 50 percent chemical composition.
- 5 21. An article comprising a substrate having a cured coating derived from at least one solvent and a chemical composition of claim 1.
 - 22. The article of claim 21 wherein said substrate is a fibrous substrate.
- 10 23. A method for imparting stain-release characteristics to a substrate comprising the steps of applying the treatment composition of claim 1, and allowing the coating composition to cure.
 - 24. The method of claim 23 wherein said substrate is a fibrous substrate
 - 25. The method of claim 24 wherein said coating composition is applied in an amount sufficient to provide between 0.05% and 5% solids on fiber.
 - 26. The method of claim 24 wherein said composition is cured at ambient temperature.
 - 27. A method for imparting stain-release characteristics to a fibrous substrate comprising the steps of:
 - (a) applying a coating composition of claim 13, and.
 - (b) curing the coating composition at elevated temperature to deblock said blocked isocyanate groups.